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## ***Skill Procedures:***

### ***Rectal Valium Administration***

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#### ***I. Usage***

1. This guideline describes how to administer rectal valium in the pediatric patient with continuous seizures.



**Note Well:** *Should not be given to patients with hypersensitivity to valium.*

*Should not be given to patients with respiratory depression.*

#### ***II. Dosage***



1. Pediatric Diazepam (Valium) 0.2 mg/kg per rectum.
  - A. Maximum 10 mg, if unable to establish IV access.

#### ***III. Procedural Guidelines***

1. Draw up desired dose of medication into 3 ml syringe.
2. Select a #5 French feeding catheter. Attach to the 3 ml syringe.
3. Draw up one (1) ml normal saline into other 3 ml syringe for flush.
4. Don gloves.
5. Position patient in knee-chest or supine with an assistant holding the legs apart; assure airway is open.



**Note Well:** *Since this procedure will be performed in the presence of seizure activity, some assistance in restraining the patient may be required to maintain proper patient position during administration.*

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#### ***III. Procedural Guidelines (continued)***

6. Apply a water soluble lubricant to the tapered end of the catheter.



**Note Well:** *Catheter tip should be thoroughly lubricated to prevent laceration and abrasion.*

7. Insert the lubricated catheter through the anal sphincter in the direction of the umbilicus approximately five (5) cm.
8. Inject the full contents of the syringe into the rectum. Clear the line with one (1) ml of normal saline, then withdraw the catheter.
9. Paramedic will re-glove, properly disposing of gloves and equipment used for the procedure.



**Note Well:** *Care will be exercised to assure that the patient retains a patent airway and is protected from the occurrence of injury secondary to the seizure while this procedure is being performed.*



**Note Well:** *Complications of this procedure include:*

- A. Inadequate absorption.*
- B. Too forceful entry with rectal injury.*
- C. Hypotension.*